

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: GREGG CANTELMO Examiner #: 75777 Date: 5-18-06  
 Art Unit: 1745 Phone Number 202-1283 Serial Number: 10/670,484  
 Mail Box and Bldg/Room Location: 6C81 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

PLEASE SEE ATTACHED.

## STAFF USE ONLY

Searcher: ES Type of Search \_\_\_\_\_ Vendors and cost where applicable \_\_\_\_\_  
 NA Sequence (#) \_\_\_\_\_ STN \$329.44  
 Searcher Phone #: \_\_\_\_\_ A& Sequence (#) \_\_\_\_\_ Dialog \_\_\_\_\_  
 Searcher Location: \_\_\_\_\_ Structure (#) (1) Questel/Orbit \_\_\_\_\_  
 Date Searcher Picked Up: \_\_\_\_\_ Bibliographic (auth) Dr. Link \_\_\_\_\_  
 Date Completed: 5-23-06 Litigation (auth) Lexis/Nexis \_\_\_\_\_  
 Searcher Prep & Review Time: 10 Fulltext \_\_\_\_\_ Sequence Systems \_\_\_\_\_  
 Clerical Prep Time: \_\_\_\_\_ Patent Family \_\_\_\_\_ WWW/Internet \_\_\_\_\_  
 Online Time: 110 Other \_\_\_\_\_ Other (specify) \_\_\_\_\_

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	355551	(oxygen o2! o-2! "o.sup.2" "o.sup.-2" "o.sup.2-")	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:36
L2	65	1 near7 (intercalat\$4)	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:21
L3	648287	(oxygen o2! o-2! "o.sup.2" "o.sup.-2" "o.sup.2-")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:27
L4	170	3 near7 intercalat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:36
L5	170	4 not 2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:27
L6	64	(oxygen o2! o-2! "o.sup.2" "o.sup.-2" "o.sup.2-") near2 insertion	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:38
L7	64	6 not (battery batteries electrochemical)	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:38
L8	492	3 near3 insertion	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:36
L9	425	8 not (battery batteries electrochemical)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:37
L10	67	8 not 9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:37
L11	4962	(oxygen o2! o-2! "o.sup.2" "o.sup.-2" "o.sup.2-") near3 absorb\$4	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:40
L12	4557	11 not (battery batteries electrochemical)	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:38
L13	405	11 not 12	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:40
L14	71421	solid adj (state battery batteries electrochemical)	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:48
L15	118	14 and ((oxygen o2! o-2! "o.sup.2" "o.sup.-2" "o.sup.2-") near3 (intercalat\$4 absorb\$4 insert\$4 conducting conductive transport\$3))	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:48
L16	192995	solid adj (state battery batteries electrochemical)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:48
L17	1982	16 and ((oxygen o2! o-2! "o.sup.2" "o.sup.-2" "o.sup.2-") near3 (intercalat\$4 absorb\$4 insert\$4 conducting conductive transport\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:49
L18	1853	17 not sensor\$1.ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:49

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L19	129	17 not 18	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:49
L20	1877	17 not sensor.ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:50
L21	1957	17 not sensors.ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:50
L22	1981	20 21	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:50
L23	415	22 and ("429"/\$.ccls. h01m\$.ipc.)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:52
L24	233	23 not (fuel adj cell\$1).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:53
L25	1	"4205051".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:53
L26	1	25 and (fuel hydrogen)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 13:53
L27	9	("3573107"   "3989538"   "4328291"   "4554222").PN. OR ("4803134").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 14:02
L28	1	"6332964".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 14:02
L29	0	28 and (battery batteries)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 14:02
L30	1	28 and (fuel hydrogen)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 14:02
L31	2	("5624542").PN. OR ("6332964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 14:09
L32	2	"08208333"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 14:09

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	140	intercalat\$4 near4 ((oxygen "o.sup.-2" "o.sup.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:08
L2	228	intercalat\$4 near7 ((oxygen "o.sup.-2" "o.sup.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:11
L3	152	2 not (battery batteries electrochemical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:10
L4	76	2 not 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:10
L5	150253	divalent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:10
L6	137	5 with intercalat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:10
L7	114	6 not (battery batteries electrochemical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:11
L8	23	6 not 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:11
L9	15661	((oxygen "o.sup.-2" "o.sup.2")) near3 (conduct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:11
L10	12280	9 not (battery batteries electrochemical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:11

## EAST Search History

L11	3381	9 not 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:11
L12	2897	11 not (fuel adj cell\$1).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:12
L13	395	11 not (fuel adj cell\$1).ti.	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:12
L14	2738	12 not (gas adj sensor\$1).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:12
L15	619	14 and ("429"/\$.ccls. h01m\$.ipc.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:17
L16	2486	14 not (h01m008\$.ipc.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:13
L17	367	15 not (h01m008\$.ipc.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:13
L18	47	15 not (h01m008\$.ipc.)	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:16
L19	4049	oxygen near2 (battery batteries electrochemical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:16
L20	3928	19 not (gas adj sensor\$1).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:16
L21	1877	20 and ("429"/\$.ccls. h01m\$.ipc.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:18
L22	611	20 and ("429"/\$.ccls. h01m\$.ipc.)	EPO; JPO; DERWENT	OR	OFF	2006/05/25 13:18

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2266	rocking adj chair	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 14:15
L2	1147843	secondary rechargeable rechargeable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 14:16
L3	1149588	1 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 14:16
L4	308	3 same ((oxygen o2! o-2! o2-! "o.sup.2" "o. sup.2-" "o.sup.-2" anion\$5) near4 (intercalat\$4 (absorb\$4 with releas\$4) conductor conducti\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/25 14:18
L5	1	2004-360606.NRAN.	DERWENT	OR	OFF	2006/05/25 14:26